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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,896	04/05/2004	Helmut Haidner	Q80898	2639
23373 7590 01/18/2008 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			EXAMINER	
			LEE, HWA S	
SUITE 800 WASHINGTON, DC 20037			ART UNIT	PAPER NUMBER
			2886	•
		:	MAIL DATE	DELIVERY MODE
	•		01/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Summary	10/816,896	HAIDNER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Andrew Hwa S. Lee	2886				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. (D (35 U.S.C. § 133).				
Status *		•				
1) Responsive to communication(s) filed on 09 No	ovember 2007.					
2a) ☑ This action is <b>FINAL</b> 2b) ☐ This	This action is FINAL. 2b) This action is non-final.					
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)  Claim(s) 1 ≤ 6 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5)  Claim(s) 2 ≤ 5 is/are allowed. 6)  Claim(s) 1 and 6 is/are rejected. 7)  Claim(s) is/are objected to. 8)  Claim(s) are subject to restriction and/or	•					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine	epted or b) objected to by the ld drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	<b>∧</b> □ (	(DTO 442)				
1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application  6) Other:						

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#### DETAILED ACTION

### Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 1 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goldberg et al (US 6,573,997)

Goldberg shows a hybrid shearing and phase-shifting point diffraction interferometer comprising:

a mask structure (46) which is arranged on an object side, and a grating structure (50) which is arranged on an image side,

the mask structure comprises one or more mask structure patterns with a periodicity in exactly one direction (46), and the grating structure to be arranged on the image side comprises one or more grating structure patterns (62, 64, 80, 96) with a periodicity in exactly two non-parallel directions or

wherein the mask structure comprises one or more mask structure patterns with a periodicity in exactly two non-parallel directions, and the grating structure comprises one or more grating structure patterns with a periodicity in exactly one direction.

With regards to the use of the words "grating" or "mask" it is merely a matter of nomenclature since the claimed structure is the same as taught by Goldberg. Furthermore, the

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mask and the grating can be reversed in location since Goldberg teaches that reversing locations is functionally equivalent in column 5, lines 11-15.

## Allowable Subject Matter

- 2. Claims 2-5 are allowed.
- 3. The following is a statement of reasons for the indication of allowable subject matter: Claims 2-5 are allowable for reasons argued in Applicant's response of 9/18/06.

### Response to Arguments

4. Applicant's arguments with respect to claims 1 and 6 have been considered but are moot in view of the new ground(s) of rejection.

#### Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time, policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Hwa S. Lee whose telephone number is 571-272-2419. The examiner can normally be reached on Tue-Fr.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tarifur R. Chowdhury can be reached on 571-272-2800. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Andrew Hwa S. Lee Primary Examiner

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